

ABSTRACT

An alloy composition suitable for use as a single crystal seed comprises nickel and, in the proportion of 5 to 50 weight %, a further metal selected from the Transition Series of elements in Period VI of the Periodic Table of Elements. The further metal may be tungsten or tantalum. The alloy composition contains no component which forms an oxide layer at elevated temperatures, and in particular contains no aluminium or titanium. The alloy composition is suitable for use as a seed alloy for the casting of single crystal components such as aerofoils for gas turbine engines.

15

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